### RESTRICTED USE PESTICIDE

(GROUND WATER CONCERN)

For Pital sale to and use only by cartified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification. This product is also a "Restricted Use" herbicide due to Atrazine ground water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for Atrazine to reach ground water

# Atrazine 4 HERBICIDE

For season-long would control in corn and sorgham. For wood control in certain other crope; in noncrop areas; and industrial sites **ACTIVE INGREDIENTS BY WEIGHT** 

ATRAZINE (2-chloro-4-ethylemino-6leapropylamino e-triazine) . \_22% . \$7.0% TOTAL TODOY EPA Reg. No. 10107-153 EPA Est. No. 10107-NB-1

Atrezine 4L, centains 4 fbs. active ingredients per gailes. Shake well before using. Use entire contents at one time.

## KEEF OUT OF REACH OF CHILDREN SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND

DIRECTIONS FOR USE INSIDE BOOKLET Mig. for:

Combett Chemical Company + P.O. Box 410 + McCook, Nebraska 69001

Aerial application: Use aerial application only where broadcast applications are specified. Apply in a minimum of 1 qt, of water for each quart of this product applied per acre. For posternergence treatments on corn and sorphurn, apply recommended rate in a minimum of 2 gals, of water/A. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive apray drift may occur.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin, and should wash thoroughly before eating and at the end of each day's operation,

Application in water or liquid fertilizer: Nitrogen solution or complete liquid fertifizer may replace all or part of the water as a carrier for preemergence. preplant incorporated, or preplant surface ground application on corn and sorghum. Check the compatibility of this product with figuid fertilizer and/or nitrogen solution as shown below before use. Do not apply in nitrogen solution or complete liquid fertilizer after corn or sorghum emerges or crop injury may

Competibility Test: Since liquid fertilizers can vary, even v. ... the same analysis, showys check compatibility with herbicide(s) each time before use. Be especially careful when using complete suspension or fluid fertilizers a serious compatibility problems are more titlely to occur. Commercial a splication equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gals, per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure:

- 1. Add 1 pint of fertilizer to each of 2 one-quart jars with bold lids.
- 2. To one of the jars, add 1/4 tsp. or 1,2 militiers of a compatibility agent approved for this use, such as Compex\* or Latron AG-44\*(1/4 tap. is equivalent to 2 pts. per 100 gals, spray). Shake or stir gently to mix.
- 3. To both jars add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides first, flowebles need, and emulsifiable concentrates last. After each addition, shake or stir ently to thoroughly mix. The appropriate amount of herbicides for this test

Dry herbicides: For each pound to be applied per acre, add 1,5 level

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiver, ass, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CORNBELT CHEMICAL CO, or the Seller. All such risks shall be assumed by the Buyer,

CORNEELT CHEMICAL CO. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CORNBELT CHEMICAL CO. makes no other aggrees or implied warranty of Fitness or Morchentability or any other express or implied warranty. In no case whall CORNBELT CHEMICAL CO. or the Seller be Hable for consequential, apacial, or indirect demages resulting from the use or handling of this product. CORNBELT CHEMICAL CO. and the Seller offer this product, and the Buyer and use accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a dwly authorized representative of CORNSELT CHEMICAL CO.

#### **DIRECTIONS FOR USE**

R is a violation of federal law to use this product in a : — :er inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ONTHIS LABEL MAY RESULT IMPOOR WEED CONTROL, CROPINJURY, OR ILLEGAL RESIDUES.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being 'reated must be vecated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because cortain states may require more restrictive reentry intervals for various

leaspoons to each jar.

Liquid herbicides: For each pint to be applied per acre, add 0.5 teasp/.on or 2.5 milliters to each lar.

4. After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15 minutes and then book for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (A) slurry the dry herbicide(s) in water before addition, or (B) add 1/2 of the compatibility agent to the fertilizer and the other 1/2 to the emulsiliable concentrate or flowable herbicide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

Application in water plus amutalitable all or all concentrate: Adding emuta diable oil (petroleum-derived, petroleum-derived oil concentrate, or single or mixed crop-derived oil concentrate) to posternergence water-based sprays in com and sorghum may improve weed control. However, under certain conditions, the use of either type of a !may seriously injure the crop. To minimize the possibility, observe the following directions:

Use one of the following properly emulsitied;

- 1. A suitable oil concentrate containing at least 1% but not more than 20%. suitable emulsilier or surfactant blend.
- 2. Petrolium-verived oil containing at least 1% suitable amulsifier.

Note: In the event of a compatibility problem when mixing oil with this product and water, a compatibility agent such as Companior Latron AG-44@should be used. Any of the above oils contaminated with water or other materials can cause competibility problems and/or crop injury.

Mixing precedures - off uses: (1) Be sure sprayer is clean and not contaminated with any other materials, or crop injury or sprayer clogging may result. (2) Fill tank 1/4 full with clean water, nitrogen solution, or complete liquid fertilizer. agitation. (4) Be certain that the agitation system is working properly ses a rippling or rolling action on the liquid surface. (5) Pour product crops (reated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given which inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure as described under Precautionery State ments on this label. When oral warnings are given, warnings shall be gives in a lang: -pe customerity understood by workers. Or all warnings must be given if there is reason to believe that written warnings cannot be understood. by workers. Written warnings must include the following information: "CAU-TION: Area treated with Weed Pro Atrazine 4L on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call a physician if imitation persists. Remove and wash contamina", I clothing before reuse."

Do not apply this product through any type of irrigation r retern.

#### General Information

This herbicide controls many annual broadlesf and grass weeds in corn, sorghum, sugarcane, and certain other crops specified on this label. It is also effective in noncrop areas and industrial altes for control of most annual and many perennial broadless and grass weeds. "" is product may be applied before or after weeds emerge.

Following many years of continuous use of this product and chemically related products, biotypies of some of the weeds listed on this tabel have been reported which cannot be affectively controlled by this and related herbicides. Where this is known or suspected, and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in combinations or in sequence with other registered herbicides which are not atrazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult with your state Agricultural Extension Service for supplier recommendations. for specific recommendations.

Since this product acts mainly through mot absorption, its effectiveness depends on moisture to move it into the root zone. If weeds develop, a shallow cultivation or rotary hosing will generally result in better weed control.

This product is nonliammable.

2

directly from container into tank. (6) Continue filting tank until 90% full. Increase agitation if necessary to maintain surface action. (7) Add emulsitiable oil, oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended. (8) Finish filling tank. (9) Empty tank as completely as possible before reliting to prevent buildup of oil or emula liable concentrate residue. Maintain agitation to avoid separation of materials. (10) if an oil or emulsiliable concentrate film starts to build up in lank, drain it and clean with strong detergent solution or solvent. (11) Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

Atrazine 4L Applied Alone - Corn or Grain Serghum\*

Proplent Surfece-Applied, Proplent Incorpurated, or Preemergence (or Postemergence at 4 pts./A With Oil)

Reporting and Conce Wood Controlled

barnyardgrass (watergrass)	cocklebur	nigntshade
giant foxtail"	groundcherry	pigweed
oreen foxtail	(#T60rWeed	purslane
large (hairy) crabgrass**	kocnia	ragweed
wild oats	lambsquarters	sickleped
wrtchgrass (Panicum capillare)	annual morningglory	velvetleaf
yellow fortail	mustards	(buttonweed)

Postemergence with Emulsifiable Oli or Oli Concentrate in Water (2+2.4 pts./A)

Broadleal Weed Controlled

annual morningglory lumbsquarters rag weed wild buckwheat cocideour smartwead mustants in monwood pigweed volvations

Avoid using near adjacent of

To avoid spruy Jrift, dunc. a as crop injury may result.

Where the use directions gir textured soil and soil ir win o soil and soil high in organic

Note: CORNBELT CHEM combination with other harbit label or in literature publishe Application Procedures

Ground application: Use or that provide accurate and i uniformly spaced and are ti rec: brate at the start of ea otherwise specified, use a r preplant incorporated, prepi applications (with or without

Use a pump with capacity t sufficient autation in tank to minimum of 20% bypass at propeller shear action for dia provide a minimum of 10 ga correctly positioned sprayer

Use screens to protect the pu placed on the section side of pince a screen in the recinoodbna critical of neewled manufacturer's recommend For band application, calcul-

band width in inches row width in inches

BEST

Corn

Preplant Surface-Applied and fine-lextured with minimitA, KS, KY, MN, NO, MT, NE, rate of Atrazine 4L shown in 45 days prior to planting and than 30 days prior to plantin coarse textured soils, do no

If weeds are present at the to a contact herbicide (for exadirections for use, precauti

Note: To the extent possible untrested soll to the surface

Preplant incorporated (Br after plowing at rate in Table or after final seedbed prepar apply within two weeks prior

Preemergence (Broadlesi planting before weed emerg Postemergence (Breadles

1.5 in. in height and before Table 1: Broadlesf and G

Soll Texture \_ Sand, loarny sand, sandy to

Loam, sit form, sit, clay los sandy clay, or silly clay with

Loam, sit loam, sit, clay los sandy clay, or sity clay with and day (including the dark Peat, muck, and high organ

<sup>\*</sup>Cortain states may have established rate limitations within specific geographical areas. Consult your state lead preticide control agency for additional information. It is a violation of this label to deviate from state use regulations. in lows, for example, meximum use rates have been established within a specified posticide management area. Contact the lowe Extension Service, the lows Department of Agriculture and Land Stewardship or your CORNBELT CHEMICAL CO. representative for additional information. Indicates partial control only.

Broadleaf control 'eastern CO, western KS, western NE, NM, OK Panhandle, west TX, and gastern WY): On sand, loamy sand, sandy loam, mild to strongly alkaline soil, and all recently 'sveled soil, apply no more than 2.3 pts. JA, either prepliant surface, preplant incorporated, or preemergence. On other soils in these areas, apply rate in Table 1 for broadleaf and grass control.

Certain states may have established rate limitations within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a volation of this label to deviate from state use regulations. In lows, for example, maximum use rates have been established within a specified pesticide management area. Contact the lows Extension Service, the lows. Department of Agriculture and Land Stewardship or your CORNBELT CHEMICAL CO. representative for additional information.

Pestentergence with established oil or oil concentrate in water: Add the following volume of one of the type oils indicated for serial or ground application unless the oil label specifies otherwise.

Type Oil	Ground Application	Application
Oil concentrate (Crop or Petroleum-derived)	1 qt/A	1/2-1 qL/A
Petroleum-derived oil	_1 gal/A	2 qts/A

Note: Crop-derived or petroleum-derived oil concentrates should contain at least 1% but not more than 20% suitable emulaifier or surfactant blend. Petroleum-derived oils should contain at least 1% suitable emulaifier.

Breaklesf and grass central: For posternaryance control of those weeds listed under Preplant Incorparated and Presmergence, broadcast 4 ps./A plus emulalifiable oil or oil concentrate after weed entargence, but before weeds reach 1.5 inches in height and before own exceeds 12 inches in height.

Breadland central: For posterrergence control of those weeds listed under Posterrergence with emulabilishe ell or oll concentrate in weter, broadcast 2.4 pts./A ptus emulabilishe all or oll concentrate before pigweed and lembequarters reach 6 inches in height, and before all other weeds reach 4 inches in height. A cultivation may be necessary it all weeds are not controlled or if weeds regrow.

Precautions: For applications with emulafiable oil or oil concentrate in water;
(1) Intrad times or any breading stock may be severely injured by applications with emulafiable oil or oil concentrate. (2) Adding other insecticides, herbicides, liquid fatilizers, or other materials is not recommended, because they may cause compatibility problems or crop injury. (3) Store and handle emulafiable

Table 2: Tank Miz tree with Princep on Com

	Broadcast rate/A			
	1:1 ratio		1:2 Refo**	
Sell Texture	Tries Product	Princep	This Product	Princep
Sand, loamy sand, loam	2 pts.	1.25 bs	1.32 pts.	1.67 Ds.
Loam, sit town, sit, clay loam, sandy clay loam, sity clay loam, sandy clay, or sity clay with ow organic matter	2.4 pts.	1.5 Bas.	1.6 pts.	264
Loam, aft loam, sit, day loam, sandy day loam, ally day loam, sandy day, er silly day with medium to high organic mater, and day Including dark prairie solls of the Com Belly	3 pts.	188s.	1.92 pts.	24 <b>0</b> s.

- \* For control of most weeds
- "For control of expected heavy infestations of crabgrass and fall panicum.
- When using Princep Caliber 90 or Princep 4L, use equivalent rates. One ib. of Princep 80W equals 0.9 ib. of Princep Caliber 90 or 1.6 pts, of Princep 4L

\*Trincep 80W, Princep 4L, or Princep Caliber 80 plue Roundup: Use as tank mixture for preemergence and posterrungence control of certain broadlesf and grass weeds where com will be planted directly into a cover crop, established sod, or in previous crop residues. Refer to Roundup label for all directions, weeds controlled, precautions, and litratations.

Princep 80W, Princep 4L, or Princep Califor 90 pixe Gramezene Extra: Use as tank mixture with Princep and Gramezene Extra to Nill existing vegetation and for residual weed control where corn will be planted directly into a cover crop, established sod, or in previous crop residues. Add this product and Princep to water in spray tank, agitating until theroughly mixed. Then add Gramezene Extra and a noninnic surfactant, such as X-77.\* Continue agitation during application. Broadcast 2-4 pix. of this product pixe 1.25-2.5 bix. of Princep 80W (or 2-4 pix. of Princep 4L, or 1.1-2.2 bix. of Princep Californic 90 pixe a suitable amount of Grameione Extra in 20-80 gals. of water par aprayed acro. Rater to the Grameione Extra label for the appropriate rates to effice in this tank mixture. Apply before, during, or after plenting, but before com emerges. Add 0.5pt. of a noninnic surfactant, such as X-77, per 100 gals. of spray mixture. Use the higher rate of Grameione Extra specified on the lebet if actisting vegetation is 4-8 inches tall. This mixture will not control weeks talk when 6 inches.

oil and oil concentrate carefully. Oil contaminated with even a small amount of water may not emulally properly when added to the tank. To avoid crap injury, (4) Do not apply when crop is under stress from prolonged cold, west weather, pror fentility, or other factors, or when crap is wet and succulent from recent rainfall. (5) Do not exceed 3 bis. as the ingredient (or 6 pis., of this product) per acre per calendar year. (6) Postemergance applications to commust be made before corn exceeds 12 inches in height. (7) Do not make more than one application per season except as recommended for partial control of yellow nutsedge, quantiquests, and Canada thiste.

#### Problem woods suppression

Yellow nutsedge and Canada thistle: This product will partially control jsuppress) yellow nutsedge (Cyperus esculentus) and Canada thistle (Cissium arverse) when applied according to dir - fors. For best results, apply each year unitsedge or Canada thistle is eltraineded or reaches a level of infestation where neither were is an economic problem. If yellow nutsedge or Canada thistle regrow following last application, cultivate once.

Four alternative methods of use for partial control (auppression) of yellow nussedge and Canada thistle are listed below in order of preference. If other weed species, such as annual grasses, are also especied, use alternative 2 or 4.

- Broadcast 3 pts./A plus 1 gallon of emulsifiable oil or 1 qt. of oil concentrate. Apply after crop and yellow nutsedge or Canada thistie emerge, but befor a yellow nutsedge reach is a height of 3 inches or Canada thistie reaches a height of 5 inches. Repeat application before corn exceeds 12 in height.
- 2. Broadcast 3 pts://A preplient incorporated for control of yellow nutsedge, or broadcast 3 pts://A during or shortly after plenting, but prior to crop or weed emergence for control of Canada thiefs. Follow with an application of 3 pts://A plus 1 gallon of emulsible oil or 1 qt. of oil concentrate after corn and weeds emerge, but before yellow nutsedge or Canada thistie reaches a height of 6 inches and before corn exceeds 12 inches in height.
- 3. Broadcast 6 pts./A plus 1 gation of emulsificate oil or 1 ct. of oil concentrate after crop emerges, but before corn exceeds 12 inches in height. Apply after yellow nutsedge and Canada thistle emerge, but before yellow nutsedge is 3 inches tall or Canada thistle is 6 inches tall.
- Broadcast 6 pts://A before, during, or shortly after plenting, but before crop of weed emergence (yellow nutsedge control only).

•

Refer to further limitations and precautions on labels for this product, Princep, and Gramoxone Extra.

Precautions for all applications to com: (1) To avoid crop injury and illegal residues, do not apply more than 3 be /A active ingredient (6 pts /A of this product) per calendar year. (2) For best control of a diverseal and cockietur, the application rate cannot be less than 2 bs./A active ingredients, either alone or in tank mix combinations. (3) Following harvest, plow (moltiboard or disk-plow) and thoroughly till soll in fall or apring to minimize possible injury to spring-aeeded rotational crops, regardless of rate used.

Note for all applications to corn: Do not graz: or feed forage from wested areas for 21 days following application, or linegal residues may result.

Retailonal creps: (1) Do not rotate to any crop except corn or sorghum until the following year, or injury may occur. (2) if applied after June 10, do not rotate with crops other than corn or sorghum the next year, or crop injury may occur. (3) In the High Plains and Intermountain areas of the West where rainfall is spanse and erratic or where irrigation is required, use only when corn or sorghum is to follow corn or sorghum or when a crop of untreased corn or sorghum is to precede other rotational crops. (4) in eastern pais of the Dalich'as, KS, western MN, and NE, do not rotate to soybeans if the rate applied to corn or sorghum was more than 4 pts/A or equivalent band application rate, or soybean injury may occur. (5) Injury may occur to soybeans planted the year following application on soils having a calicareous surface layer. (6) Do not plant sugar bests, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and graises the year following application, or injury may occur.

#### Sorghum and Sorghum-outlen Hybride (Grain and Forage Types)

Preplent 9 riece-Applied (Breadles) and grass centrel): Use on mediumand line-tex.und sol with minimum-tilege or no-tilege systems only in CO, IL, IN, IA, KS, KY, MN, MO, MT, NE, NO, SD, WI, and WY. Apply 2/3 the recommended rate of WEED PRO Airszine 4L, shown in Table 3 for the soil texture as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days prior to planting may be as either a split or single treatment. Under dry conditions, infigation after application is recommended to move WEED PRO Atrazine 4L, into the soil.

F is are present at time of treatment, apply in a tank mix combination with a ct herbicide (for example, Gramowine Extra or Roundup). Observs

Note: Do not use emulsifiable oil or oil concentrate when corn is wet or under stress, especially when raing 6 pts /A of this product, as crop injury may occur. See "Precautions for applications with emulsifiable oil or oil concentrate in water for additional directions.

#### Quackgrees suppression on and going into com-production

Split application: Broadcast 3 pts./A in early spring. Plow 1-3 weeks later. Apply a second application at 3 pts./A in spring before, during, or after planning, but Lefore weeds are 1.5 inches high and before corn exceeds 12 inches in height. This split application will suppress quactigrass and control most annual broadleaf and grass weeds.

#### Cueckgrees central on land going into corn production

Make a single broadcast application of 6 pts./A in spring before planting. Plow 1-3 weeks later. Follow-up in the fall by utilizing a suitable contact herbicide, such as Roundup.

#### Tank Mixtures for Com

This product may be tank mixed with these herbicides for control of ce...in broadlesf and grass weeds in com:

Duel" (motelechior)

Dual + Grammone Extra

Lance or Lance EC + Grammone Extra

Duti + Roundup (Glyphosate) Gramousne Extra Dusi + Princep\* Princep

Dual + Princep + Grammene Estra
Dual + Princep + Reundup
Ramrod\*(propachlor)

Princep + Reundup
Roundup

Laseo® or Laseo EC (slackior) Sutan +\*

Use tank mix directions appearing on the labels of the above herbicides when tank mixing with this product. Observe all precautions and limitations on labeling of products used in a particular tank mix.

Note: When the labels of the above herbicides refer to atrazine 80W, use

10

directions for use, precautions, and restrictions on the label of the contact herbicide

Note: To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be deminished.

Preplant Incorporated (Breadles) and grace centrol): Broadcast in spring after plowing at rate shown in Table 3. Apply before, during, or after final seedbed preparation. If soil is titled or worked after application, and depincorporation. For best results, apply within two weeks prior to planting.

Preemergence (Breadles) and grass central): Apply during or shortly after planting, but prior to weed or crop emergence at rate shown in Table 3.

Table 3: Preplant Surface, Preplant Incorporated, and Preemergence Broadleaf and Grass Weed Control in Sorghum\*

Seil Texture	Organic matter	Broodcast rate/A
COARSE Sand, loamy sand, sandy loam	ny sand, sandy loam any level	
MEDIUM AND FINE Loam, sit form, sit, day loam, sandy clay form, sity day loam, sandy clay, sity clay, day	less than 1%	use on bedded scrighum in AZ and CA)
	1-1.5%	3.2-4 pts.**
	more than 1.3%	4-4.75 pts.**

<sup>\*</sup> Do not apply preplant surface or preplant incorporated in AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN, or TX. Do not apply preemergence in NM, OK, or TX, except in northeast OK and the TX Gull Coast.

in case of planting failure, sorghum or corn may be replanted. Do not make a second broadcast application, or injury may occur. If originally applied in a band and sorghum or com is replanted in untreased rew middles, this product may be applied in a band to the second planting.

equivalent rates of WE Princep 80W, Princep

In addition to the war to Corn or Guain Sora rated, or Pre-amerged curr, and calantenic bed and weeds emerge, at weeds, 14se the 12 rai panicum. Cutir a's sh

Preplent Surfac^Ap minimum '?'age c. 1.0-MT, NE, NO, SD, WI, a Atrazine 4L and Prince 30-45 days prior to pla less than 30 days prio On coanse-textured so Refer to the WEED F section of the corn lab

If weeds are present at a contact herbicide (fo direction for use, preherbicide.

Note: To the extent purificated soll to the ex

Preplant Incorporate during, or after final se results, apply within to

Preemargence: App weeds emerge.

Princep 4L labels for f 11



Preemergence broad ghum (AZ and CA on broadcast 1.6-2.4 pts before sorghum and w with several regular in

Precautions for preem in AZ and CA: To avo sand soil or on sorghu on alkali soils or where subsoils may cause or for 8 months following

Postemergence (Bro 4 before weeds excess inches in height.

Table 4: Fastamorgance

Soil Tenture
Sand or loanly sand
Sandy loan

Sit loam to sandy day loa Otton and Pullman day so Sity day loam and liner to

\*Certain states may head areas. Consult y information. It is a vio in towa, for example specified presided ma base. Department of CHEMICAL CO, represent and constant of the c

Pestamorgance brecentrate in water: B Apply before pigweed all other weeds reach desert regions of AZ a

15

<sup>&</sup>quot;\*Certain states may have established rate limitations within specific geographical areas. Consult your state lead postdide control agency for additional information. It is a violation of this label to devide from stated use regulations. In lowa, for example, maximum use rates have been established within a specified pesticide management area. Contact the lowe Extension Service, the lowe Department of Agriculture and Land Sementathy or your CORNBELT CHEMICAL, CO. representative for additional information.

before it reaches boot stage. In all other areas, apply after sorghum reaches the 3-leaf stage but before it exceeds 12 inches in height. Add 1 gall of emulsifiable pt/A for ground application and 0.5 gal./A for senal application, or add 1 qt./A of oil concentrate for ground application. A cultivation may be recessary if all weeds are not controlled or if weeds regrow.

For the fist of weeds controlled, see WEED PRO At azine 4L Applied Alene - Corn or Grain Sorghum - Pesternargence with Emulsifiable Oil or Oil

Precautions for applications with emulsitiable oil or oil concentrate in water." See "Precautions for applications with emulatiable oil or oil concentrate in unter" in Com section.

Post emergence breedlesi wood control with surfactant (CO, Western KS, NML OK, TX, and desert regions of AZ and CA only); Broadcast 2.4 pts./A plus 0.75-1.5 pts. of surfactant after sorghum reaches 6 inches in height, but before weeds exceed 1.5 inches in height. Apply only on sandy toam and finer

Precautions for all applications to sorghum: (1) Heavy rain immediately following application tends to cause excessive concentrations of herbicide in seed furniv, resulting in possible crop injury. Do not apply to furniv-planted sorghum until furnivs are leveled (placed in). Level deep planter marks or seed furrows before application. (2) Application to sorghum growing under stress caused by minor element delicioncy or to sorghum growing on highly calcuracus asil may result in crop injury. (3) following harvest, plow (moliticized or disk.; tou) and thoroughly till eat in fall or spring to minimize possible injury to springseeded rotational crops, regardless of rate used. (4) Injury may occur if both this herbicide, preplant surface, preplant incorporated, or present enterpoints, and an atplianting systemic headlicide applied in-furrow are used. (5) Do not apply more than 3 km, active ingredient (6 pts. of this product) per acre per calender year.

Note: Do not graze or feed lorage from treated areas for 21 days following applications, or Hegal residues may result.

Retetional crops: See "Rotational crops" in Com section.

Tank Mixtures for Grain Sorghum

Dual 8E: Use as tank mixture with Dual 8E for control of those weeds listed on the Dual SE label, as well as on this label. Use this tank mixture only on sorghum seed treated with Concept. Refer to the Dual 8E label for all directions, precautions, and Emitations.

Apply 40 ounces of Landmaster BW plus 2 pts, or less of WEED PRO Atrazine 4UA. Use 54 ounces Landmaster BW plus 4 pts. or less of WEED PRO Atrazine 4L/A. Use 64 ounces of Landmaster BW plus 6 pts. or less of WEED PRO Atrazine 4L, The addition of Ammonium Suffate is recommended to increase the per-formance of Landmaster BW and WEED PRO Atrazine 4L. In Oregon and Washington, do not exceed 2 pts. of WEED PRO Atrazine 4L per acre. For ground applications, apply in 3 to 10 gallons of water per acre. For aerial applications, apply in 3 to 5 callons of water per acre. Refer to the Landmaster BW label for further directions, precautions, and limitations.

Precautions: To avoid crop injury, (1) Do not use on sand soil. (2) Do not treat eroded hillsides, caliche and rocky outcroppings, or exposed catcareous subsoll, (3) Do not treat soils of the Rosebud and Canyon Series in western NE and adjoining counties in CO and WY. (4) Do not treat soils with culcareous surface layers. (5) Avoid spray overlap.

Note: Do not graze treated areas within 6 months after application, or Regal

Aerial application: in order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 k., using low drift nozzles at a maximum pressure of 40 pel., and restrict application to periods when wind speed does not exceed 10 mp.h.. To assure that pray will not adversely affect adjacent sensitive nontarget plants, apply WEED PRO Atrazine 4L alone by aircraft at a minimum upwind distance of 400 ft, from sensitive plants.

To control certain annual weeds in established perennial grastes along roadeldes in CO, KS, MT, NE, ND, SD, and WY, including cheatgrass (downy brome, chess), common (annual) broomweed, little barley, madusaheed, sagework, and tumble musterd, broadcast 2 pts/A in a minimum of 10 gats, of water by and similar inclusion, crosporum 2 pos/A in a inventure of 10 gais, or water by ground equipment in the fall before ground freezes, or after thiseling in the spring, but before the established grasses green-up and before weeds emerge. Examples of decirable established grasses include big bluestern, bluegrams, bromsgrass, buffatograss, creeted wheatgrass, indiangrass, little bluestern, side-cets grams, evilchgrass, and Western wheatgrass. Apply only once per year. Tempo any discoloration or other form of injury to the desirable personnal graneus mey occur following application.

Neve: To avoid Megal residues, (1) Do not out or feed roadside grass hey. (2) Corner allow Restlock to graze treated areas.

#### Winter Weed Control in Texas

For posternergence control of winter weeds only, such as hentif, seedling dock, and annual thistle on fall bedded land in the Gulf Coast and Blacklands of Texas. Apply 0.8-1 qt/A posterrergence to the weeds in November or December to iz d that will be planted to corn, grain sorghum, or forage sorghum the following spring. For best results, add a suitable surfactant, such as X-77, at the rate of 0.5% of the spray volume, an emulsifiable oil at the rate of 1,0% of the spray volume, or an oil concentrate at the rate of 1 ot, per acre.

Normal weed control programs may be used in the following corn, grain sorghum or forage sorghum crop.

Note: Do not plant any crops except corn, grain sorghum, or forage sorghum the spring following this treatment, or illegal residues may result.

#### **WEED PRO Atrazine 4L Alone - Chemical Fellow**

Wheet-Sorghum-Fallow: To control annual broadless anu grass weeds folfowing wheat harvest and in the following sorghum crop when grown under minimum tillage, broadcast 6 pts/A to wheat stutible immediately following wheat harvest. If weeds are present at application, remove them with a sweep plow or other suitable implement after application, or use an approved contact herbicide before or after the application of WEED PRO Atrazine 4L. Plant scriptum into wheat stubble the following apring with minimum soil disturbance. Use a surface , lunier or a planter leaving a shallow furrow. If weeds are present at planting, remove them with a sweep plow or other suitable implement before

For the list of weeds controlled, see WEED PRO Atreatme 4L Applied Alone - Corn or Grain Serghum - Proplent Surface-Applied, Proplent Incorporated, or Proposergence.

Precautions: (1) Use only on all loam or fir.x textured soil or crop injury may result. (2) Wheel-dorphum-fallow cropping sequence must be followed. (3) Do not eaply following sorghum harvest.

Note: To avoid Blegal residues, do not graze or feed forage from treated area to livestock. To avoid Blegal residues and crop injury, do not plant any crop other than those on this label within 18 months following treatment.

Wheet-Corn-Fallow (KS,NE): This product controls cheatgrass (downy brome, chees), Nochia, mustards, pigweed, Russian thistle, wild lettuce, wild sur flower. and volunteer wheat during period after wheat harvest. Weed co.krol may

For control of many broadlest and grass weeds, including amaranths, crabgrass, fireweed, flora's paintbrush, fortals, junglerice and wregrass, broadcast 5-8 pts/A of WEED PRO Atrazine 4L at rime of planting or rationing, but before sugarcane emerges. Broadcast aerially in a minimum of 5 gals, of spray per acre, or broadcast or brand by ground equipment in a minimum of 20 gals, per acre, unless indicated otherwise. One additional application may be made over the sugarcane as it emerges, and two additional applications may be made interline after emergence as directed appays. Repeat treatments, where needed, may be applied broadcast, band, or interline as suggested with the final application being prior to close-in. Do not exceed the rate of herbicide suggested for any one crop of sugarcane.

Note: Where high rates of WEED PRO Atrazine 4L are used alone, apply in a

minimum of 1 qt. of water for each 1 qt. of WEED PRO Atrazine 4L applied per

Aerial application: In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft., using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mp h... To assure that apray will not adversely affect adjacent sensitive nontarget plants, apply WEED PRO Atrazine 4L alone by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

Florids

For control of emerged petitiony weed: Apply 0.8-1.2 pts/A in at least 40 gals, of water as a directed apray by ground equipment prior to close-in. Add 4 cts. of surfactant for each 100 gals, of spray. Thortughly cover weed foliage. For control or alexandergrass, large crabgrass, petitiony (artiflery) weed, and spiny ameranth, use one of the following methods at planting or retooning:

- Apply 8 pts /A preemargence. Follow with one or two applications, as needed, postertiargence to sugarcane and weed, at 4 pts /A. Treat before weds exceed 1.5 inches in height.
   Apply 1-3 times, his needed, at 4 pts /A posterrargence to sugarcane and weeds. Treat before weeds exceed 1.5 inches in height.

Louisions
For control of annual weeds during the summer failton period, apply 4 pts://A to
weed-free bads immediately after bad formation. Follow normal weed control

program after planting.
Pre-autions: To avoid crop bijury, (1) Do not apply more that 10 qts:/A to any
or "op of supercone. (2) if making 4 pts:/A application during summer lattor
if do not encoded 8 qts:/A during the remainder of the growing session, or

extend into following com crop grown under minimum bilage.

Follow directions for use, notes, and precautions in the "Wheat-Sorghum-Fallow' section above, substituting corn for references to sorghum.

Wheat-Fallow-Wheat (CO, KS, MT, NE, ND, SD, and WY): For preemergence control of chealgrass (downy brome, chess), common lambsquarters, field pennycress, kochia, mustard, Russian thistle, wild lettuce, and suppression of volunteer wheat during fallow period of a wheat fallow wheat rotation, broadcast 1-2 pts/A on all soils except those listed under "Precautions." For control of pigweed and wild sunflower, use the higher rate. Apply to stubble ground. Treat only once during same fallow period.

Tank Mixtures for Chemical Fellow

Wheat-Sorghum-Fallow or Wheat-Corn-Fallow (KS, NE,)

Cyclone/Gramexene Extre: If weeds are present at application, a tank mix with Cyclone/Gramozone Extra may be used. Broad :ast 6 pts, of WEED PRO Atrazine 4L plus a suitable amount of Cyclone/Gramoxone Extra in 20-80 gais. of waser/A by ground equipment. Add 0.5-1 pt. of a nonionic surfactant, such as SPRAYFUSE 90, per 100 gals, of spray mixture. Add WEED PRO Atrazine 4L to spray tank first and thoroughly mix with water. Then add Cyclone/Gramoxone Extra followed by surfactant. Use the higher rate of Cyclone/Gramoxone Extra specified on the label if weeds are 4-6 inches tall. This mixture will not control weeds taller than 5 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to Grannoxone Extra/Cyclone label for further directions, precautions, and firstations.

Wheat Fallow-Wheat (CO, KS, MT, ME, MD, 8D, and WY)

Cyclone/Gremezene Extra: If weeds are present at application, a tank mix with Cyclone/Gremowene Extra may be used. Broadcast 1-2 pts. of WEED PRO Atrazine 4L plus a suitable amount of Cyclone/Gramoxone in 20-60 gals. of water/A by ground equipment. Add 0.5-1 pt. of a nontonic surfactant, such as SPRAYFUSE 90, per 100 gale, of spray minure. Add WEED PRO Atrazine 4L to spray tank first and thoroughly mix with water. Then add Cyclone/Gramoxone Extra, followed by surfactant. Use the higher rate of Cyclone/Gramoxone Extra scacilied on the label it weeds are 4-6 inches text. This mixture will not control wheds taller than 5 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to Cyclone/Gramosone Extra label for further directions, precautions, and firstations

If weeds are present at application and this product is used alone, use either an approved contact herbicide helpre or after trentment, or tillage after treatment.

illegal residues may result.

Texes

Use WEED PRO Atrazine 4L for control of bernyardgrass, pigweed, purstane and sunflower, in plant or ration sugarcane.

Apply 8 pts:/A of WEED PRO Atrazine 4L preemergence. Follow with one or two applications, as needed, at 6 pts/A postemergence to sugarcane and weeds. For best results when weeds are emerged, add a nonionic surfactant at a concentration of 2 qts./100 gate, to the spray and apply before weeds exceed 1.5 inches in height.

Precautions: (1) Injury to supercene may occur when under moisture stress, when soil is of low adsorptive capacity, or when lend is first cropped to supercene. (2) Do not apply after close-in. (3) Do not apply more than 20 ptu A lo any one crop of sugarcane, or crop injury may result.

Turigrasses for Sed (Fierlife ent-)

St. Augustine grace, Continude grace, and Zoyufe Grace Broadcast 4-8 pts/A according to soil texture to control those weeds listed under WEED PRO Atrazine 4L Applied Atoms - Corn or Grain Sorghum - Proplant Surface-Applied, Preplent Incorporated, or Preemorgance.

Old bods; Within 2 days after Ming sod. Muck or coal 200 New bada: 3-4 days after sprigging or plugging Old bads: Wiltim 2 days after litting april. Sandy soll 4 100 New bade: 7-10 days after sprigging or plugging

If weeds regrow, apply an additional 4 pts/A on muck or peet, or 2 pts/A on sandy soit.

Precautions: To avoid crop injury, (1) Do not apply within 30 days prior to cutting

or litting. (2) Do not apply in combination with surfactants or other apray additives. (3) Lise only on furfaces reasonably lies of infestations of insects, nematodes, and diseases. (4) On newly aprigged turfgrass, temporary slowing of growth may follow application.

Turigrane for Fairways, Lawn, Sed Production\* and Similar Areas

'in states other then Floride. For use on turigrass for sod in Floride, see "Turigrasses for Sod (Florida only)" section above.

Dermudegrees, Confipedo grass, St. Augustino grass, and Zayala Grass Apply WEED PRO Afrazine 4L after October 1 before emergence of winter annual weeds for control of annual bluegrass, burclover, carpet burwellt, Use tiliage to cont planting. For 1 Gramoxone Extra, application, ·

Landmoster II (CC

If weeds are prese Apply 40 ounces of A. Use 54 ounces A. Use 64 ounces 4UA kir hardth ic 64 ounce : all art. r addition to Ammount Landmaster | and | exceed 2 pts. or W apply in 3 to 10 galls of water/A. Refer t and limitations.

Roundup RT (CO.

If woods are presen 12 ounces of Roun vontuoP ea. nuo 81 ounces of Roundy to 1 percent nonion in Oregon and Was Barnyurdyrase will up to 26 ounces p recommended to k Atrazino 4L plus a For ground applic applications, applications for further direction used in certain cou ington. Check the

Landmoster BW:

If weeds are gross



chickweed, corn s Atrazine 4L will c treatment. For co section of the VI Sorghum section before the weeds 1 gad, per 1,000 si

Where annual blu 1,000 sq. ft.). Use sprigged turfgrass

For continued sur days after the premore than NYO ap Preceutions: On n slowing of prowth injury, (1) Lies or nematicies, and o of NC (except may areas of eastern ( (5) Do not apply o label. (6) Ennote months after trea bermudagr<sub>e</sub>ss ur system. Donate:

Note: Do not gra result.

Macadamia Nuta For preemergeno craborase fortal. broadcast 4-8 oti necessary. Do ni not apply by air.

Queve Use only on estat a directed spray a mix preemergenc mergence, the us spray mix per acr

21

20

annual broadlest and grass weeds, including fireweed, purriane, scartet pirpoenel, spanish needles, and sowthistle.

pimpernel, spanish needles, and sowthistle.

Notice: To avoid lisigal residues, (1) Do not allow spray to contact foliage or fruit. (2) Do not apply more frequently than at 4 month intervals. (3) Do not apply more than 16 pis. of WEED PRO Arraztne 4L per year.

Contine

For control of annual broadleaf and grass weeds prior to transplanting, after transplanting or in established conflers (including Douglas fir, grand fir, noble fir, white fir, Austrian pine, bishop pine, Jeffrey pine, Indocone pine, Iobloty pine, loggepole pine (Shore pine), and pine, ponderous pine, Society pine, stash pine, blue spruce, and Sitka spruce). Broadcast 4-8 pts. in a minimum of 5 gats, of weater per acre by air or 10 gats, by ground before weeds are 1.5" talt. Apply to established trees between fall and early spring white trees are domment. For new transplanting, allow sufficient precipitation to activate WEED PRO Atrazine 4L before transplanting. In a sensitivate where spring and surrerer rainfall is inadequate to activate WEED PRO Atrazine 4L, apply during fall prior to spring transplanting.

For the list of weeds controlled, see WEED PRO Atregine 4L Applied Alone - Corn or Orsin Sorghum - Proplent Surface-Applied, Proplent Incorporated, or Property Surface - Proplent Surface - Property Surfa

Charchgrane control: Broadcast 8 pts. In a mir num of 5 gals, of water per acre by air or 10 gals, by ground between fall and early sprir; 3 while treas are demant and before quachgrans is more than 1.5 inches tell.

Precautions: (1) in areas west of the Rocky Mountains (except the Great Beath), grazing may begin 7 months after a fall application or 3 months after a whiter at quiring application. (2) To prevent Begin residues, to not graze terms areas east of the Rocky Mountains. (3) Temporery highly to trees may occur following use of WEED PRO Arrazine 4L. or coasse-testurated self. (3) To exaid crop injury, do not apply to seedbeds. (5) Also apply only once per year.

Asriel application: In order to assure that spray will be controllable within the target area, when used according to label directions, make applications at a reastment height of 10 ft. above vegetation, using low drift nr.zzles at a resulment present of 40 pst, and restrict application to periods when what speed does not exceed 10 mp.h. To assure that spray will not adversely affect adjacent sensitive nonterget plants, apply WEED PRO Atrazine 4L, by alrecalt

at a minimum upwind distance of 400 ft. from sensitive plants,

**Honeslective Weed Control on Noncrep Land** 

This product provides long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumberyards, petroleum tank farms, and in noncrop areas on farms, such as around buildings, equipment and fuel storage areas, along fences, and lanes. Do not use near adjacent desirable plants or in greenhouses, or injury may occur.

Apply before or soon after weeds begin growth. Make posterningence applications when weeds are young and actively growing. Use the higher rates on fine clay and muck soils. Use sufficient water to assure thorough coverage. Use at least 1 gal, of water for each quart of product; use more if practical.

Annual breedest and grees weeds (including barryardgrass, chedgrass, crabgrass, lambequariers, fostall, ragreed, puncturevine, and turkey mulleix): Proadcast 4.9-10 gts./A.

For small areas, 0.28 pt. per 1,000 sq. ft. is equivalent to 10 qts./A.

Processions: (1) Do not allow livestock to graze treated areas, or diegal residues may result. (2) Do not exceed 10 lbs. active ingredient (10 ets. of this product) per acre per calendar year.

#### Storage and Disposal

Storage

Ground water contamination may be reduced by diding and flooring of permanent figuid bulk storage alies with an impermeable material.

#### Posticido Dispossi

Do not contaminate water, tood, or feed by storage of disposal, or cleaning at equipment. Open dumping is prohibited. Westes resulting from the use of this product are acutely toxic. Improper disposal of unused posticide, appray wiscure, or rinsate is a violation of tederal law. Posticide, apray mixture, or rinsate that cannot be used according to tabel instructions must be disposed mathods, to tederal, state or local procedures. For guidence in proper disposal mathods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Container Disposal

Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke,

For minor spills, teals, etc., follow all precautions indicated on this tabel and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other envergency, call CHEMTREC at 1-800-424-9300

Caliber® trademark of CIBA-GEIGY
Compac® trademark of CIBA-GEIGY
Concep® trademark of CIBA-GEIGY
Cyclone® trademark of CIBA-GEIGY
Cyclone® trademark of CIBA-GEIGY for metolaction U.S. Petent No. 3,937,730
Gravourse® trademark of ICI AMERICAS for paraquet
Landmarter I® and Landmarter BW® trademark of MONSANTO Company
Lases® trademark of MONSANTO Company for electrics
Latron AG-44® trademark of ROHM & HAAS
Princep® trademark of CIBA-GEIGY for simusine
Remod® trademark of CIBA-GEIGY for simusine
Roundup® and Roundup RT® trademark of MONSANTO Company
Sprayture 90® trademark of Corribet Chemical Co.
Sutan +® trademark of STAUFFER Chemical Company for butylete

Harmful if switchened, inhose or social mist. Aunid conta-

or spray mist, Avoid conta-

**Precautionary State** 

lexacts to I was a sid!

Users are required to wear chemical resistant gloves, involved in miningricating rubber or neutrone gloves STATEM-IN CAP PRACTS IN SWALL OWER. Call

IF SWALL OWED Caf a Drink one or two gives of back of the bat with linger, or not induse vermiling or give

IF MMALED: Remove vici piration, preferably mouth-t

IF ON SION; Wash with pi IFM EYES; Flushoyas with

Note to Physician: There is ingusted, induce erresis or activated chargosl may be

**Environmental Hazards** 

Atrazine can travel (seep of which may be used as direct Users are advised not to sweet in the under table (ground weer) to permeable, i.e., well-drain further information on the treater.

This product may not be including shandoned wells.

This pesticide is toxic to aq where surface water is pres merk... Do not apply where conditions tayor drift from the be hazardous to aquestic on water when disposing of ac

25

24

26

# ACCEPTED DEC 10 1301

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No./////

